

AVR 1565

harman/kardon®
by HARMAN

5.1-channel, 70-watt audio/video receiver with HDMI® v.1.4a with 3-D

Specifications



■ Harman Kardon AVR 1565

As a multitasking A/V receiver for budget-conscious film and music lovers, the Harman Kardon® AVR 1565 is a more than capable way to take your home entertainment to the next level. With all the latest Dolby® and DTS® audio modes and HDMI® v.1.4a with 3-D and Deep Color, the AVR 1565 lets you experience the next dimension in TV viewing – while Harman Kardon Logic 7® processing supplies you with an exhilarating 5.1-channel, 360-degree soundstage for movies, TV shows and games. And with three HDMI inputs and extensive video and audio connectivity, the AVR 1565 also grants you the flexibility to add a Blu-ray Disc™ player and surround-sound speaker system to the mix. Overall, the AVR 1565 is a great starting-off point if you want a gratifying home theater system.

■ Highlights

- HDMI v.1.4a with 3-D and Deep Color
- Powers an entire 5.1-channel surround-sound system
- 70 watts of power per channel
- Dolby TrueHD and DTS-HD Master Audio™ decoding
- Logic 7 processing
- Dolby Digital and DTS decoding, Dolby Pro Logic® II and DTS processing
- Extensive audio/video connectivity
- Color-coded binding-post connectors
- Programmable remote
- FM/AM tuner

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■ Key Features

Power/Technology

- Powers a 5.1-channel surround-sound system
- 70 watts of power per channel
- High-current-capability (HCC), ultrawide-bandwidth amplifier design for accurate, dynamic sound and emotional impact
- HDMI v.1.4a with 3-D and Deep Color for playing 3-D content such as movies, TV shows and sporting events
- Dolby TrueHD and DTS-HD Master Audio decoding for high-resolution sound that matches high-resolution video
- Logic 7 processing turns conventional stereo sources into 5.1-channel surround sound
- FM/AM tuner with 30 station presets
- Surround-sound decoding for all popular Dolby and DTS soundtracks
- Lip-sync adjustment delays the audio signal to match the video signal

Connectivity

- Three HDMI outputs provide extensive video connectivity
- One component and three composite video inputs
- Three digital audio inputs and six analog audio inputs
- Front-panel analog audio input makes it easy to connect to portable sources
- Subwoofer pre-out allows for connecting to a powered subwoofer
- Color-coded binding-post speaker connectors for secure connections
- Headphone jack with HARMAN headphone surround mode for stereo headphones
- Subwoofer trigger output for compatible subwoofers
- Upgradeable firmware via USB port to keep receiver's performance up to date
- Detachable IEC power cord makes installation easier

Ease of Use

- On-screen display (OSD) makes setting up the receiver easy
- Programmable IR remote can control your entire audio/video system
- Two-line dot-matrix information display for listening to music – without turning on the TV
- 30 FM/AM radio-station presets make it easy to find your favorite station

■ Key Specifications

Audio Section

- Stereo mode, continuous average power: 70 watts/channel, 1kHz, <0.9% THD, both channels driven @ 8 ohms
- Multichannel power: 70 watts/channel, 1kHz, <0.9% THD, two channels driven @ 8 ohms
- Bandwidth @ 1W (+0dB/-3dB): 10Hz – 100kHz
- Input sensitivity/impedance (line-in): 200mV/47k ohms
- Signal-to-noise ratio (IHF-A): 100dB
- Adjacent channel separation – Dolby Pro Logic® I/II: 40dB, Dolby Digital: 55dB, DTS: 55dB
- High instantaneous-current capability (HCC): ±25 amps
- Transient intermodulation distortion (TIM): unmeasurable
- Slew rate: 40V/μsec

FM Tuner Section

- Frequency range: 87.5MHz – 108.0MHz
- Usable sensitivity (IHF): 1.3μV/13.2dBf
- Signal-to-noise ratio (mono/stereo): 70dB/65dB
- Distortion (mono/stereo): 0.15%/0.3%
- Stereo separation: 40dB @ 1kHz
- Selectivity (±400kHz): 70dB
- Image rejection: 80dB
- IF rejection: 90dB

AM Tuner Section

- Frequency range: 520kHz – 1720kHz
- Signal-to-noise ratio: 45dB
- Usable sensitivity (loop): 500μV
- Distortion (1kHz): 50%, mod 0.8%
- Selectivity (±10kHz): 30dB

Video Section

- Television format: NTSC
- Input level/impedance: 1Vp-p/75 ohms
- Output level/impedance: 1Vp-p/75 ohms
- Video frequency response (composite video): 10Hz – 8MHz (-3dB)
- HDMI v.1.4a with 3-D and Deep Color

General

- Power requirement: AC 120V/60Hz
- Power consumption: 65W idle; 540W maximum (five channels driven)
- Dimensions: 17-5/16" x 6-1/2" x 15" (442mm x 165mm x 381mm)
- Weight: 20.5 lb (9.3kg)